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PATENT
P-4423

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): D.J. Wright et al

**EXPEDITED PROCEDURE
UNDER 37 C.F.R. 1.116**

SERIAL. NO.: 09/335,218

ART UNIT: 1634

FILING DATE: June 17, 1999

EXAMINER: B. Forman

FOR: METHOD AND OLIGONUCLEOTIDES FOR DETECTING NUCLEIC ACID
SEQUENCE VARIATIONS

BOX AF

AMENDMENT PURSUANT TO 37 C.F.R.
§1.116

Honorable Commissioner for Patents
Washington, D.C. 20231

| | |
|---|------------------------------|
| I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 | |
| ON: | 9-26-02 (DATE OF DEPOSIT) |
| BY: | Donna M Baumann (NAME) |
| (SIGNATURE) | (DATE) 9-26-02 |

Sir:

Responsive to the Final Rejection dated March 26, 2002, please amend the above-identified application as follows.

IN THE CLAIMS:

Please amend the claims as follows.

1. (2x Amended) A method for detecting a single nucleotide polymorphism in a target comprising, under isothermal conditions:
 - a) hybridizing a detector primer and a second primer to the target such that extension of the second primer by polymerase displaces the detector primer from the target sequence, wherein the detector primer comprises a diagnostic nucleotide for the single nucleotide polymorphism which is a 3' terminal nucleotide of the detector primer or about one to four nucleotides from the 3' terminal nucleotide of the detection primer;
 - b) extending the detector primer and the second primer with polymerase to produce a displaced detector primer extension product;